Amendments to the Claims:

This listing of claims will replace all prior versions, and listing of claims in the application:

Listing of Claims:

1. (Currently amended) A method for two-dimensionally separating substances in a sample with a two-dimensional separation device, which comprises:

a) conducting first dimensional separation of a test sample using the device through electrophoresis or isoelectric focusing in a gel; and

b) conducting second dimensional separation of the substances so separated as a result of the first dimensional separation using the device through capillary electrophoresis, wherein ~~a second dimensional separation medium is composed of~~ said device comprises a means for said first dimensional separation and a means for the second dimensional separation comprising a plurality of capillaries provided on a planar support ~~separation media which are independent each other~~.

2. (Canceled)

3. (Currently amended) The ~~separating~~ method of claim 1, wherein the substances to be separated are proteins.

4. (Currently amended) The ~~separating~~ method of claim 1, wherein the ~~separating~~ first dimensional separation is ~~carried out by electrophoresis~~ conducted through isoelectric focusing.

5. (Currently amended) A two-dimensional separation device ~~composed of the following elements~~ for separating substances in a sample, which comprises:

a) a means for ~~holding a~~ first dimensional separation ~~medium in contact with a second dimensional separation medium~~ of a test sample through electrophoresis or isoelectric focusing in a gel [[,]];

b) a means for second dimensional separation ~~medium composed of a plurality of separation media which are independent each other,~~ of the substances so separated as a result of the first dimensional separation through capillary electrophoresis, which comprises a plurality of capillaries provided on a planar support; and

c) a means for providing ~~the driving force for second dimensional separation~~ an electric power source to apply voltage to each of the first and second dimensional separations.

6. (Currently amended) The ~~two-dimensional separation~~ device of claim 5, wherein ~~a plurality of separation media which are independent each other are filled into a plurality of physically separated spaces arranged in rows on a planar support~~ the means for first dimensional separation is for isoelectric focusing.

7. (Canceled)

8. (Currently amended) A ~~second dimensional separation medium composed of a plurality of separation media which are independent each other~~ planar support for two-dimensional separation of substances in a sample, which comprises:

a) a means for first dimensional separation of a test sample through electrophoresis or isoelectric focusing in a gel; and

b) a means for second dimensional separation of the substances so separated as a result of the first dimensional separation through capillary electrophoresis, which comprises a plurality of capillaries provided on a planar support.

9. (New) The planar support of claim 8, wherein the means for first dimensional separation is for isoelectric focusing.